

The Commonwealth of Massachusetts
Executive Office of Health and Human Services
Department of Public Health
William A. Hinton State Laboratory Institute
305 South Street, Jamaica Plain, MA 02130

DEVAL L. PATRICK
GOVERNOR

TIMOTHY P. MURRAY
LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD
SECRETARY

JOHN AUERBACH
COMMISSIONER

07/15/2011

Nicole Cordeiro
Assistant District Attorney, Suffolk County

Dear ADA Cordeiro,

Enclosed is the information you requested in regards to Commonwealth vs. [REDACTED] Included are copies of the following:

1. Curriculum Vitae for Annie Dookhan and Stacey Feiden.
2. Drug Analysis Laboratory Receipt.
3. Control Cards with analytical results for samples # [REDACTED]
4. Analysis sheets with custodial chemist's hand notations and test results.
5. GC/Mass Spectral analytical data for samples # [REDACTED]

Stacey Feiden was the custodial chemist and performed the preliminary testing and net weight for this sample. Annie Dookhan was the confirmatory chemist and analyzed the GC/MS data for this sample.

If you have any questions about these materials, please call me at the number below.

Sincerely,

A handwritten signature in black ink, appearing to read "Annie Dookhan".
Annie Dookhan
Chemist II
Drug Analysis Lab
Jamaica Plain, MA. 02130
(617) 983-6631

Curriculum Vitae

Annie Khan (Dookhan)

Education:

University of Massachusetts, Boston, Ma, Master of Science in Chemistry.
University of Massachusetts, Boston, Ma, Bachelor of Science in Biochemistry.

Experience:

2003 – present

Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory

- *Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.
- *Appointed Assistant Analyst by Assistant Commissioner of Public Health, 2004.
- *Responsible for the identification of illicit drugs to determine violations of harmful and narcotic drug laws.
- *Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.
- *Maintenance and repairs of all analytical instruments.
- *Responsible for the Quality Control of all analytical instruments, reagents and controls/standards.
- * Responsible for the Quality Control/Quality Assurance program for the drug lab.
- *Notary Public.
- *Qualified as an expert witness in Massachusetts Courts and U.S. District Court

2001 – 2003

QC Analyst I, II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

- *Completed proficiency training conducted by a member of the staff within the MLB Quality Control and Quality Assurance Department.
- *Method Development for creating new techniques and enhancing vaccines for the QC Dept. and FDA.
- *Writing, revising and reviewing Standard Operating Procedures (SOPs).
- *Trained and supervised new chemists and interns for the department.
- *Routine QC testing of products for the FDA.
- *Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.
- *Calibration, preventive maintenance, QC and QA of analytical instrumentation.
- *Complete testing of chemicals for Vendor Validation Project for the FDA.
- *Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

Additional Training:

Dept. of Justice – Forensics Professionals. (numerous trainings)
GLP/GMP course with Massachusetts Biologic Laboratory.
QC/QA training according to FDA Codes and Regulations.
GC and GC/MS courses with Agilent Technologies and Restek.
HPLC course with Waters Cooperation.
FTIR course with Spectros.
TOC training with MBL and Sievers.

Association:

American Chemical Society (ACS)
Northeastern Association of Forensics Science (NEAFS)

Stacey Lyn Desjardins

stacey.feiden@state.ma.us

EDUCATION

Master of Science—Forensic Science
University of New Haven; West Haven, Connecticut
May 2006

- Concentration: Criminalistics
- Certificate: Advanced Investigation

Bachelor of Arts—Chemistry
Monmouth College; Monmouth, Illinois
May 2004

- Graduated Cum Laude

EXPERIENCE

Chemist I
Massachusetts Department of Public Health; Jamaica Plain, Massachusetts
March 2009-present

- Analyze unknown substances submitted by Massachusetts Law Enforcement Agencies
- Operate, maintain, and interpret data from analytical equipment (Gas Chromatograph, analytical balance, microscope, Ultraviolet Spectrometer, Infrared Spectrometer)
- Provide expert testimony to local, state, and federal courts in Massachusetts

Teaching/Graduate Assistant
Monmouth College Chemistry Department
University of New Haven Forensic Science Department
January 2001-May 2006

- Supervised labs and answered student questions
- Performed demonstrations using forensic techniques and chemicals

Additional work experience and references available upon request

TRAINING

2010: DEA Forensic Chemist Seminar—Washington DC

2009: Multijurisdictional Counterdrug Task Force Training on Current Drug Trends

2009: Six week training with Senior Staff at the Massachusetts Department of Public Health Drug Analysis Laboratory—appointed Assistant Analyst

2005: Internship with the New Hampshire State Crime Lab

COURSEWORK

Biomedical Methods of Forensic Science, Criminal Procedure, Forensic Microscopy, Advanced Criminalistics I and II, Forensic Toxicology, Advanced Investigation I and II, Physical Analysis in Forensic Science, Organic Chemistry I and II, General Chemistry, Analytical Chemistry I and II, Physical Chemistry I, II, and III, Biochemistry, Advanced Inorganic Chemistry



DRUG RECEIPT

CC # XXXXXXXXXX
BOOK # 65
PAGE # 140
DESTRUCTION #

District/Unit B-4 BCO

Name & Rank of Arresting Officer Sgt. Det. Keenan ID# 10652

To be completed by ECU personnel only

Name and Rank of Submitting Officer Sgt. J. L. White ID# 11064

Received by PS Date 8-11-10

ECU Control #

No. [REDACTED]

Date Analyzed: 10-28-10

City: Boston D.C.U. Police Dept.

Officer: P.O. SYBIL WHITE

Def: [REDACTED]

Amount:

Subst: SUB

No. Cont: 2 Cont: pb

Date Rec'd: 08/19/2010

No. Analyzed: 1

Gross Wt.: 4.28

Net Weight: 0.07g

Tests: 4 SLD

2ABD

Prelim: Heroin

Findings: Heroin

DRUG POWDER ANALYSIS FORM

SAMPLE # XXXXXXXXXXAGENCY BostonANALYST SLDNo. of samples tested: 1Evidence Wt. ✓

PHYSICAL DESCRIPTION: - signed & sealed
- light brown powdery substance in 2 double-bagged pbs

Gross Wt (2): 0.2658g
Gross Wt (1): 0.1790g
Pkg. Wt: 0.1048g
Net Wt: 0.0742g

PRELIMINARY TESTS

Spot Tests

Cobalt Thiocyanate () ⊕
Marquis ⊕
Froehde's ⊕
Mecke's ⊕

Microcrystalline Tests

Gold Chloride _____
TLTA () _____

OTHER TESTS

PRELIMINARY TEST RESULTS

RESULTS heroin
DATE 10-25-10

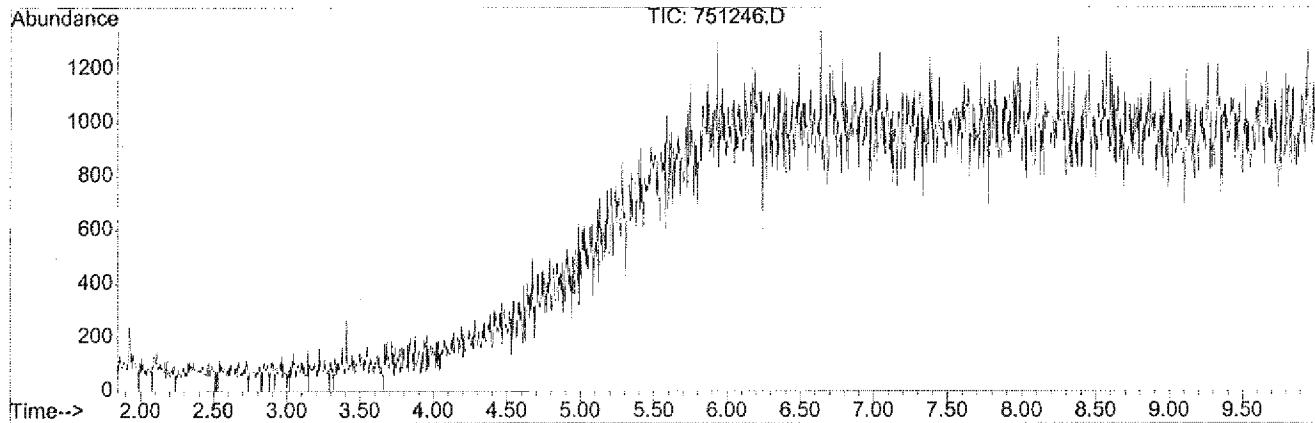
GC/MS CONFIRMATORY TEST

RESULTS heroin
MS OPERATOR ASD
DATE 10-28-10

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q4-2010\SYSTEM4\10_27_10\751246.D
Operator : ASD
Date Acquired : 27 Oct 2010 19:17
Sample Name : BLANK
Submitted by :
Vial Number : 1
AcquisitionMeth: DRUGS
Integrator : RTE



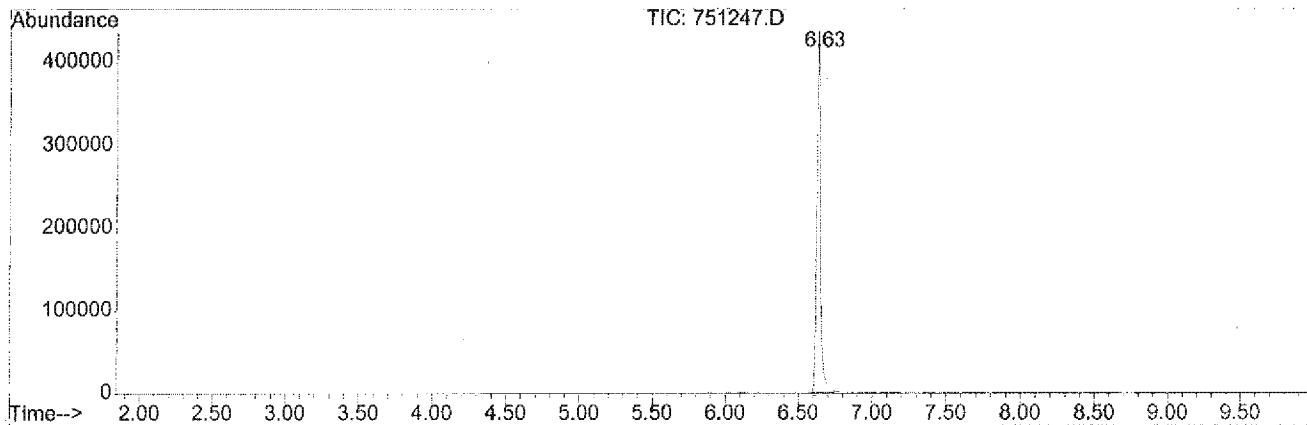
| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|
|-----------|------|--------|---------|

NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q4-2010\SYSTEM4\10_27_10\751247.D
Operator : ASD
Date Acquired : 27 Oct 2010 19:31
Sample Name : HEROIN STD
Submitted by :
Vial Number : 47
AcquisitionMeth: DRUGS
Integrator : RTE



| Ret. Time | Area | Area % | Ratio % |
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| 6.630 | 745257 | 100.00 | 100.00 |

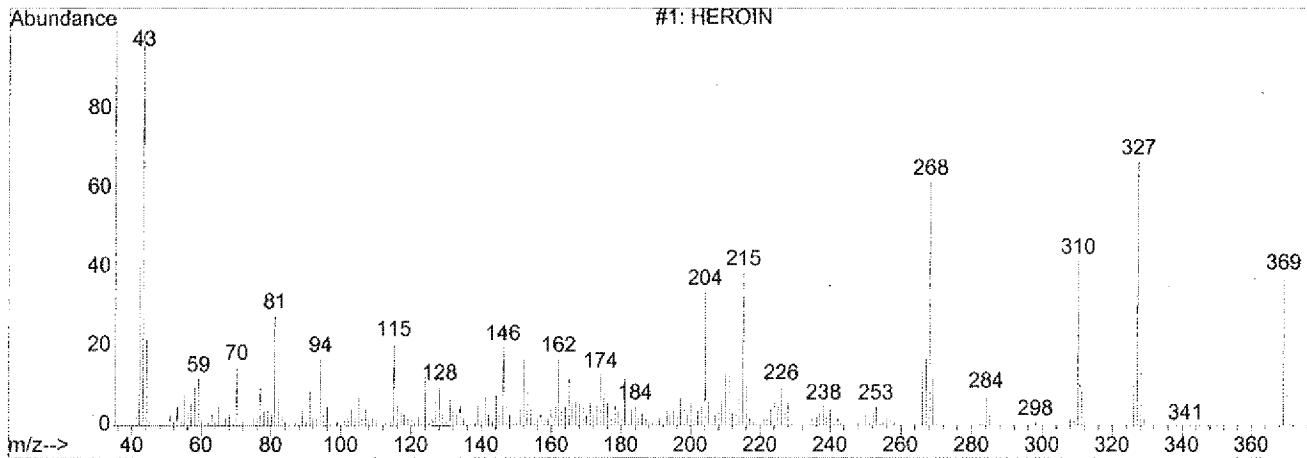
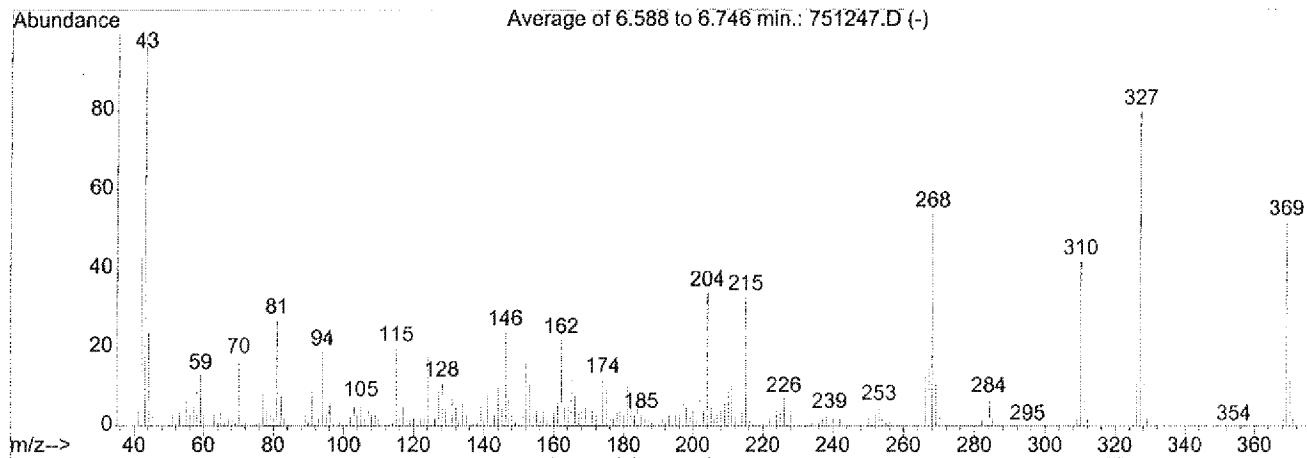
Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q4-2010\SYSTEM4\10_27_10\751247.D
Operator : ASD
Date Acquired : 27 Oct 2010 19:31
Sample Name : HEROIN STD
Submitted by :
Vial Number : 47
AcquisitionMeth: DRUGS
Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 90
C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
C:\DATABASE\NIST98.L

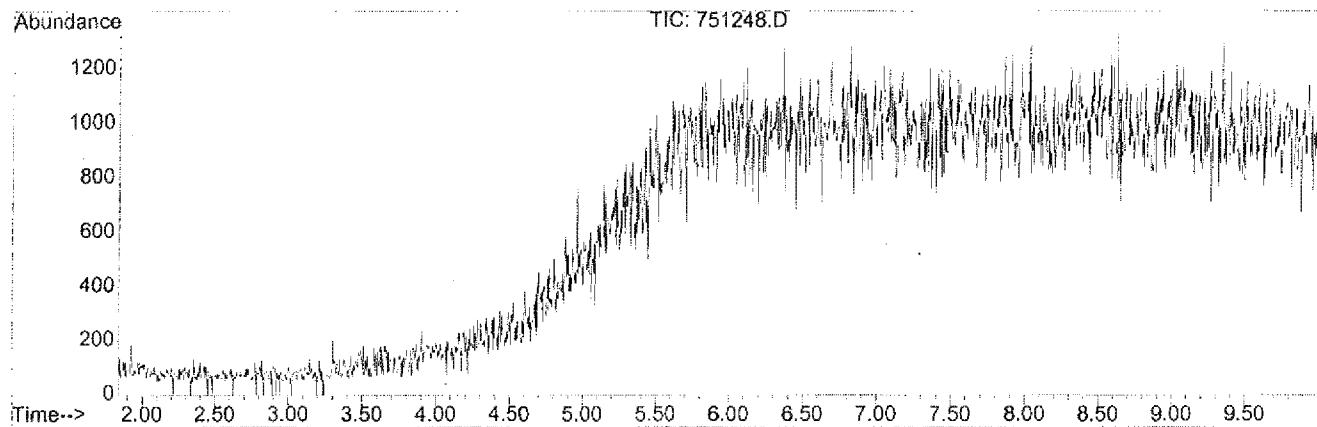
| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-----------------------------|-------------|------|
| 1 | 6.63 | C:\DATABASE\SLI.L HEROIN | 000561-27-3 | 99 |



Area Percent / Library Search Report

Information from Data File:

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Date Acquired : 27 Oct 2010 19:44
Sample Name : BLANK
Submitted by : NEM
Vial Number : 2
AcquisitionMeth: DRUGS
Integrator : RTE



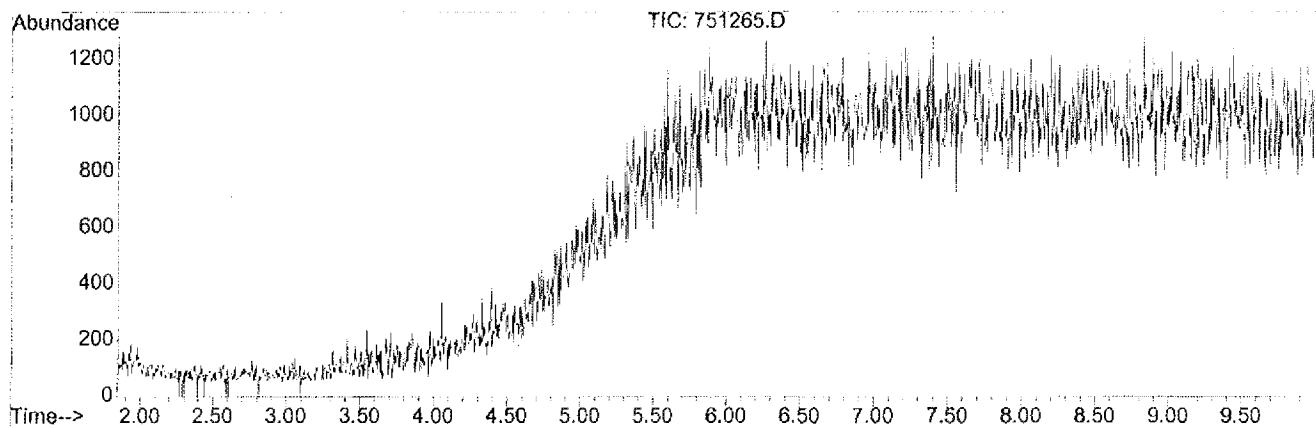
| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|
|-----------|------|--------|---------|

NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q4-2010\SYSTEM4\10_27_10\751265.D
Operator : ASD
Date Acquired : 27 Oct 2010 23:35
Sample Name : BLANK
Submitted by : SLD
Vial Number : 2
AcquisitionMeth: DRUGS
Integrator : RTE



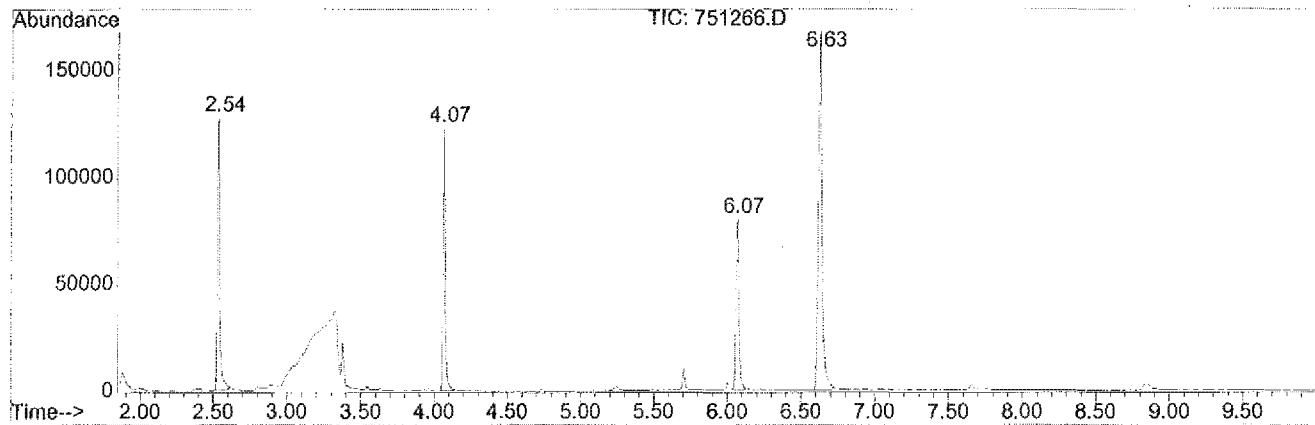
| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|
|-----------|------|--------|---------|

NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q4-2010\SYSTEM4\10_27_10\751266.D
Operator : ASD
Date Acquired : 27 Oct 2010 23:49
Sample Name : XXXXXXXXXX
Submitted by : SLD
Vial Number : 66
AcquisitionMeth: DRUGS
Integrator : RTE



| Ret. Time | Area | Area % | Ratio % |
|-----------|--------|--------|---------|
| 2.537 | 136553 | 20.56 | 46.82 |
| 4.066 | 124440 | 18.74 | 42.66 |
| 6.070 | 111451 | 16.78 | 38.21 |
| 6.625 | 291675 | 43.92 | 100.00 |

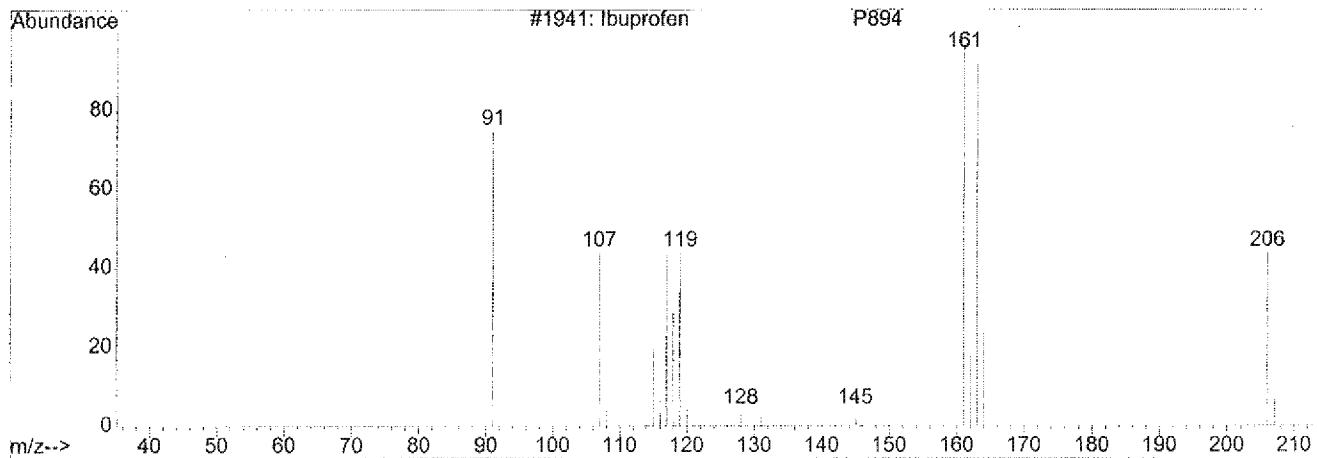
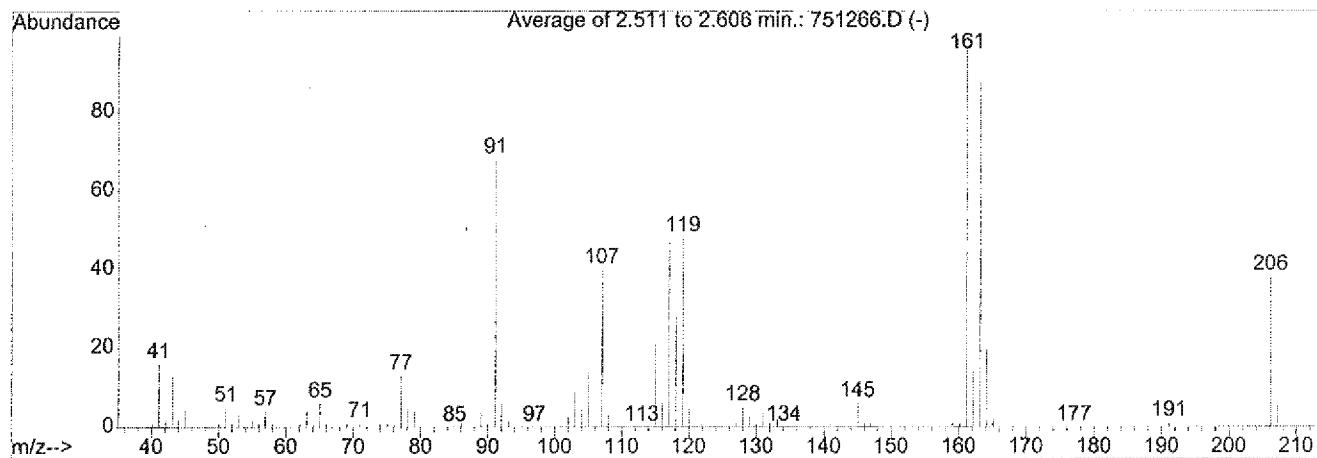
Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q4-2010\SYSTEM4\10_27_10\751266.D
Operator : ASD
Date Acquired : 27 Oct 2010 23:49
Sample Name : XXXXXXXXXX
Submitted by : SLD
Vial Number : 66
AcquisitionMeth: DRUGS
Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 90
C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
C:\DATABASE\NIST98.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|------------------------|---------------|------|
| 1 | 2.54 | C:\DATABASE\PMW_TOX2.L | | |
| | | Ibuprofen | 015687-27-1 | 99 |
| | | 3,4-Dichloroaniline | @ 000095-76-1 | 25 |
| | | 2,3-Dichloroaniline | 000608-27-5 | 17 |



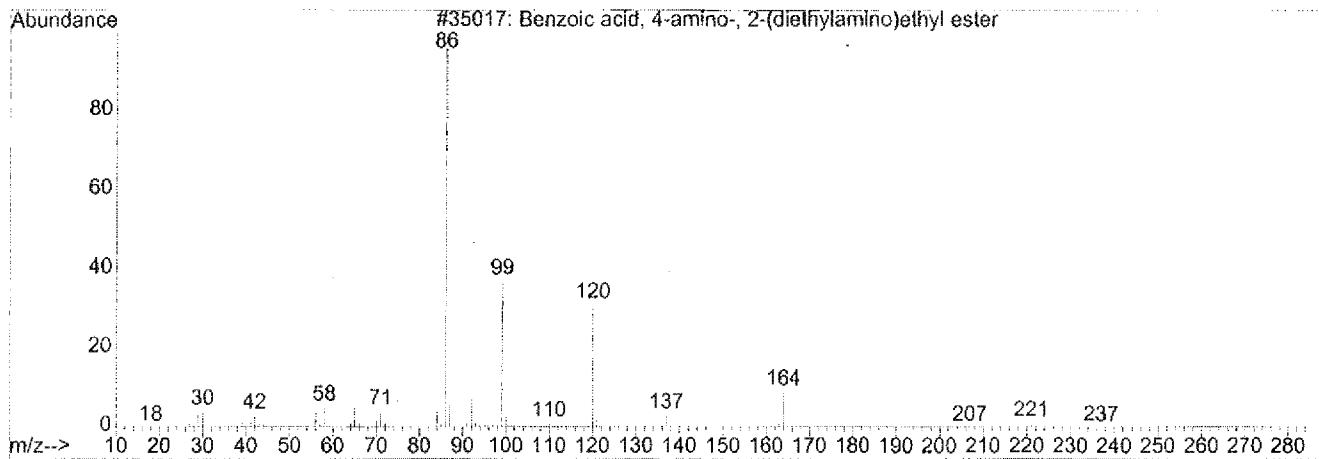
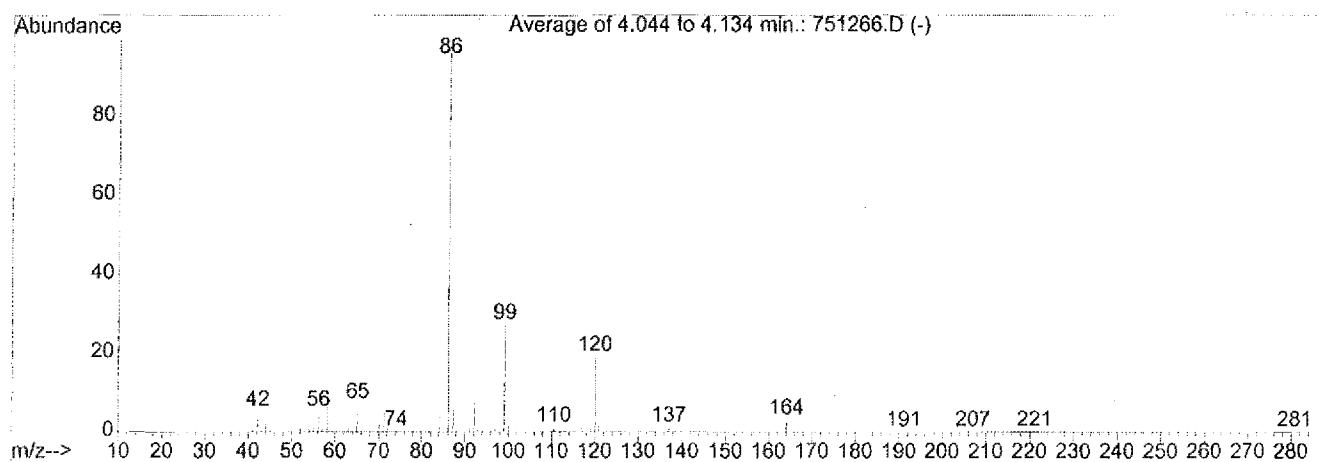
Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q4-2010\SYSTEM4\10_27_10\751266.D
Operator : ASD
Date Acquired : 27 Oct 2010 23:49
Sample Name : XXXXXXXXXX
Submitted by : SLD
Vial Number : 66
AcquisitionMeth: DRUGS
Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 90
C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
C:\DATABASE\NIST98.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|---|-------------|------|
| 2 | 4.07 | C:\DATABASE\NIST98.L | | |
| | | Benzoic acid, 4-amino-, 2-(diethylaminoethyl ester) | 000059-46-1 | 90 |
| | | Benzamide, 4-amino-N-[2-(diethylaminoethyl ester)] | 000051-06-9 | 83 |
| | | Benzamide, 4-amino-N-[2-(diethylaminoethyl ester)] | 000051-06-9 | 83 |



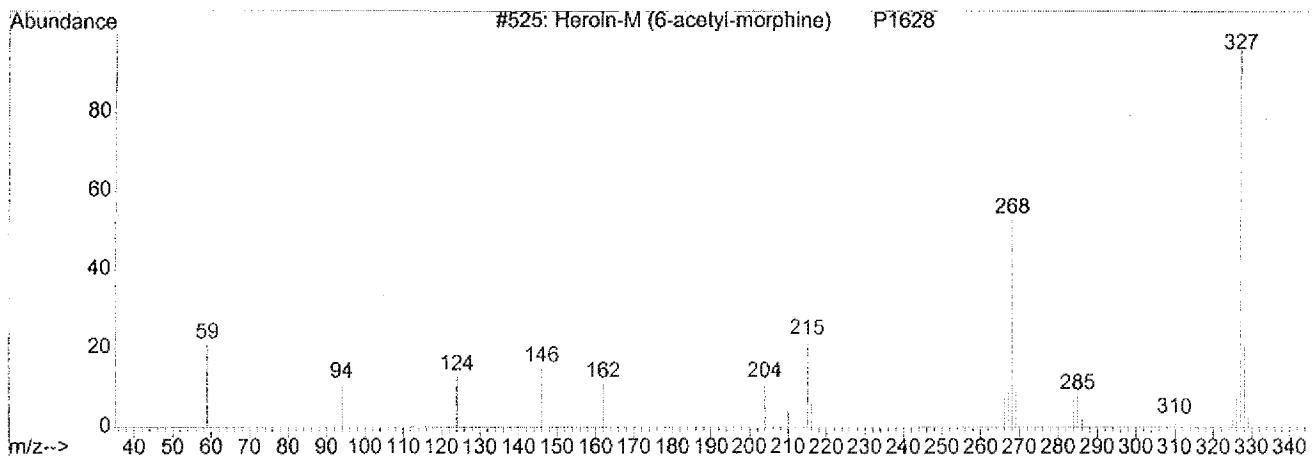
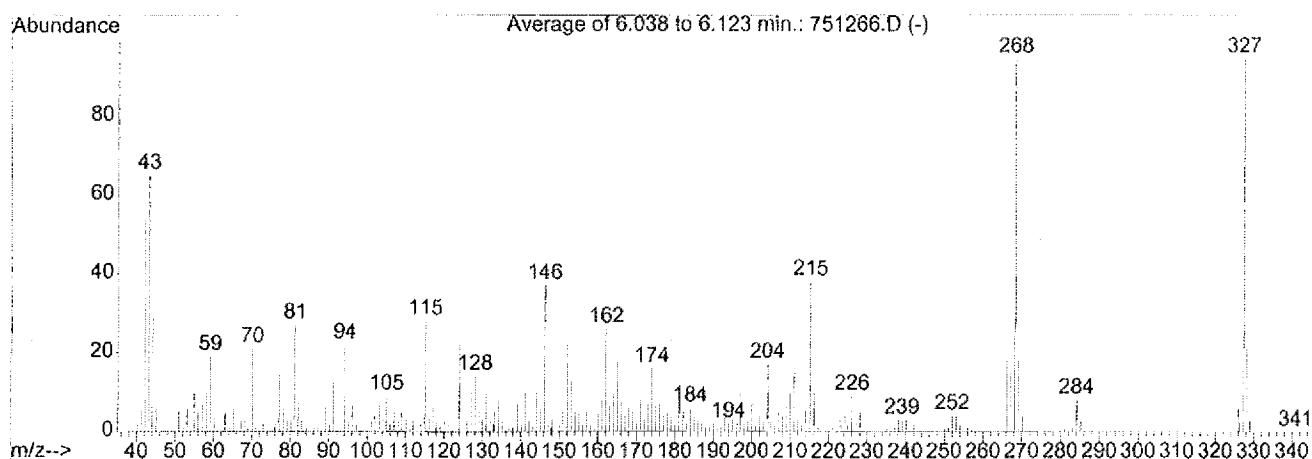
Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q4-2010\SYSTEM4\10_27_10\751266.D
Operator : ASD
Date Acquired : 27 Oct 2010 23:49
Sample Name : XXXXXXXXXX
Submitted by : SLD
Vial Number : 66
AcquisitionMeth: DRUGS
Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 90
C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
C:\DATABASE\NIST98.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-------------------------------|-------------|------|
| 3 | 6.07 | C:\DATABASE\PMW_TOX2.L | | |
| | | Heroin-M (6-acetyl-morphine) | 059833-14-6 | 93 |
| | | Chlorprothixene-M isomer-2 AC | 000000-00-0 | 10 |
| | | Naloxone AC | 000000-00-0 | 10 |



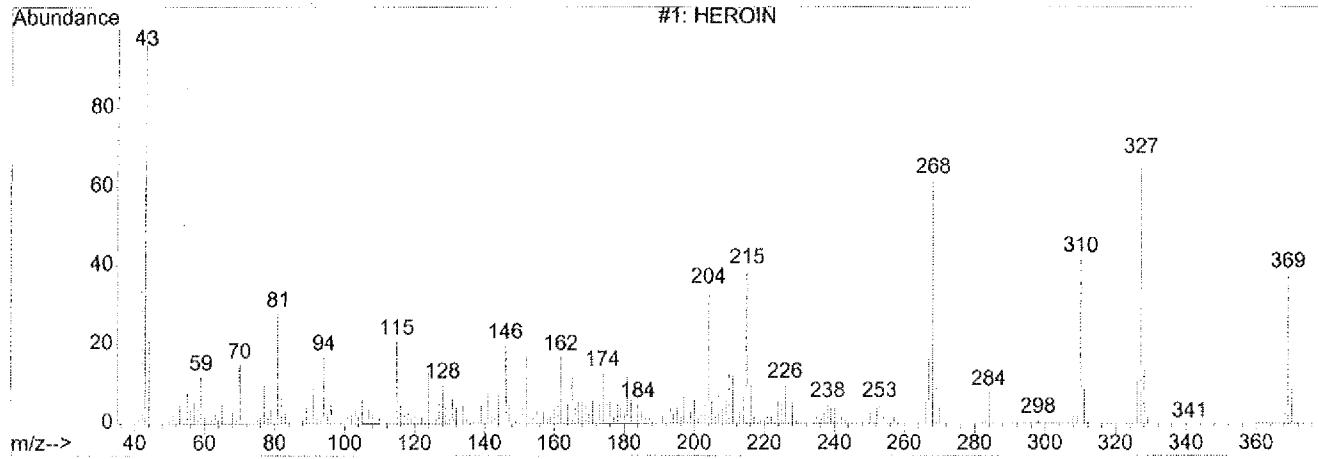
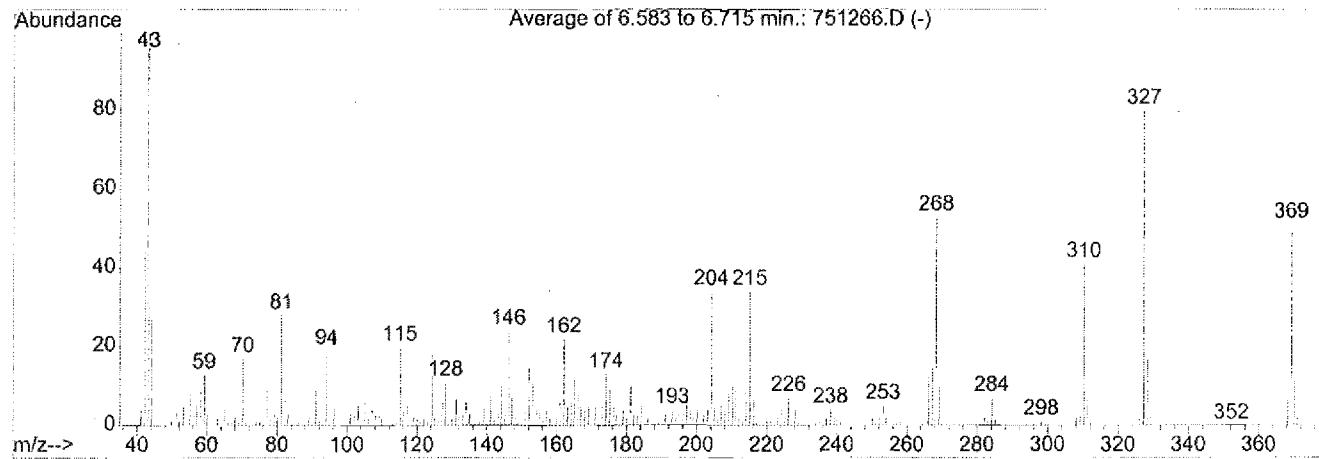
Area Percent / Library Search Report

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Operator : ASD
Date Acquired : 27 Oct 2010 23:49
Sample Name : XXXXXXXXXX
Submitted by : SLD
Vial Number : 66
AcquisitionMeth: DRUGS
Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 90
C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
C:\DATABASE\NIST98.L

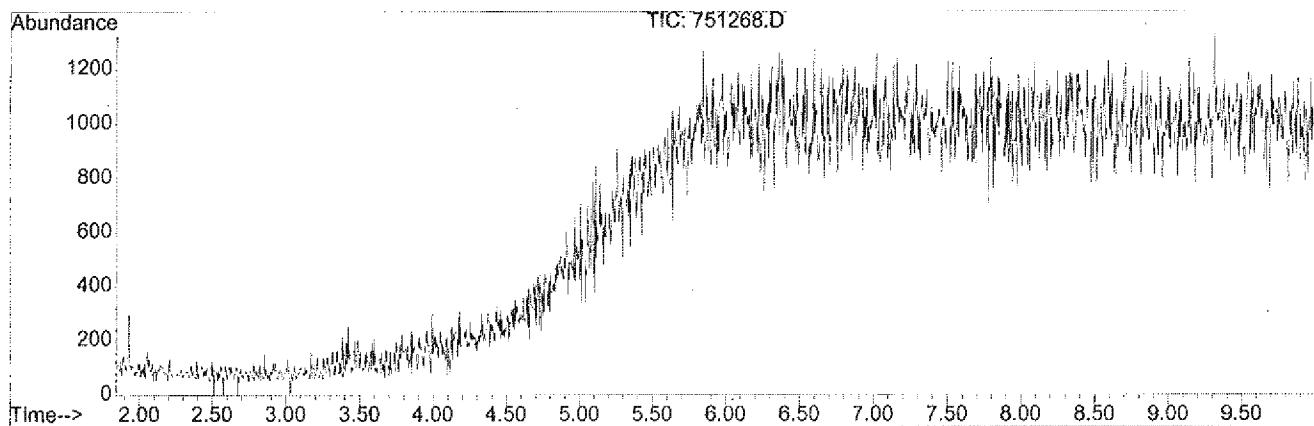
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|-----|------|-----------------------------|-------------|------|
| 4 | 6.63 | C:\DATABASE\SLI.L HEROIN | 000561-27-3 | 99 |



Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q4-2010\SYSTEM4\10_27_10\751268.D
Operator : ASD
Date Acquired : 28 Oct 2010 00:16
Sample Name : BLANK
Submitted by :
Vial Number : 2
AcquisitionMeth: DRUGS
Integrator : RTE



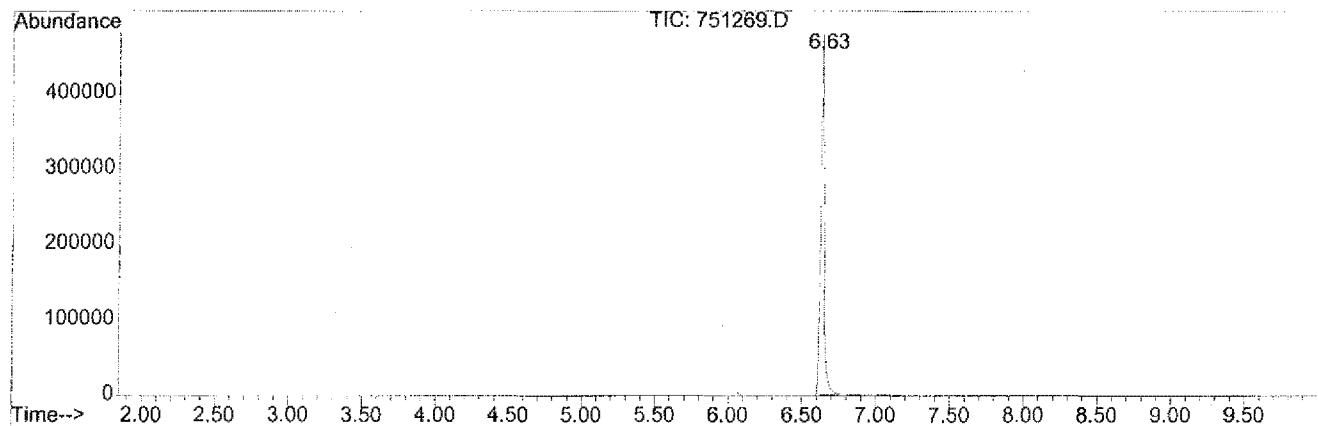
| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|
|-----------|------|--------|---------|

NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q4-2010\SYSTEM4\10_27_10\751269.D
Operator : ASD
Date Acquired : 28 Oct 2010 00:29
Sample Name : HEROIN STD
Submitted by :
Vial Number : 69
AcquisitionMeth: DRUGS
Integrator : RTE



| Ret. Time | Area | Area % | Ratio % |
|-----------|--------|--------|---------|
| 6.629 | 806037 | 100.00 | 100.00 |

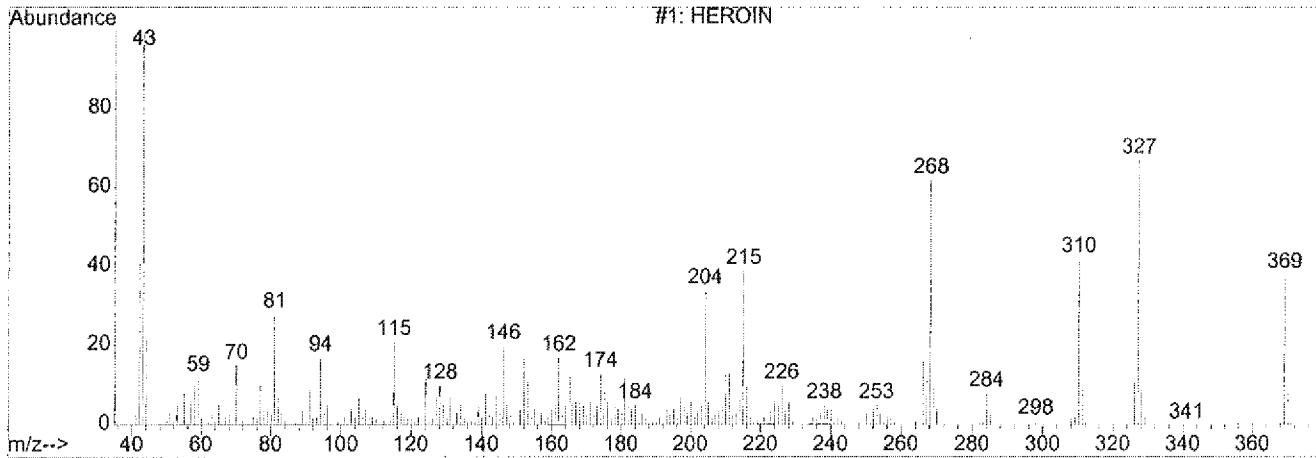
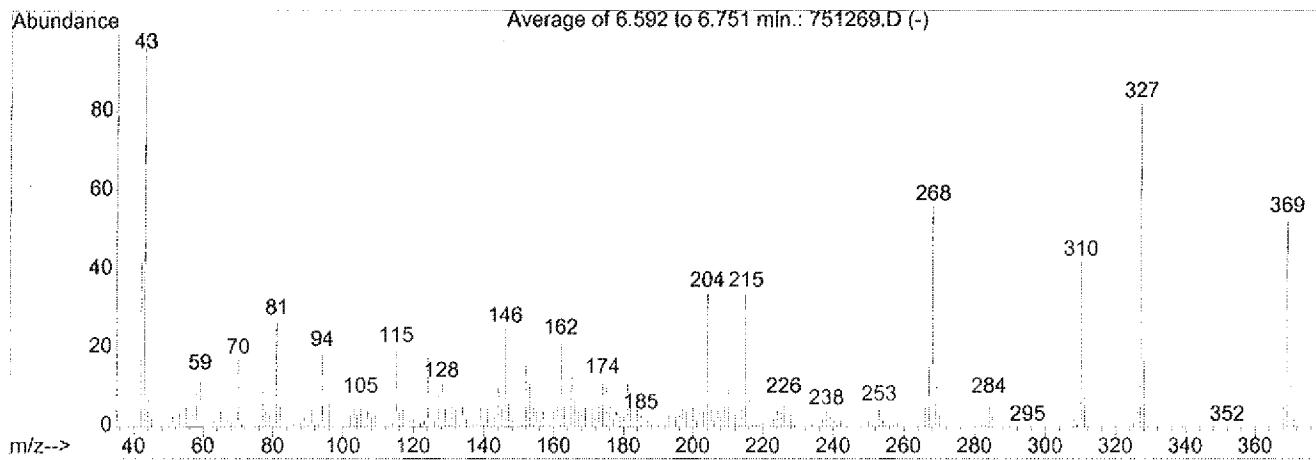
Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q4-2010\SYSTEM4\10_27_10\751269.D
 Operator : ASD
 Date Acquired : 28 Oct 2010 00:29
 Sample Name : HEROIN STD
 Submitted by :
 Vial Number : 69
 AcquisitionMeth: DRUGS
 Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 90
 C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
 C:\DATABASE\NIST98.L

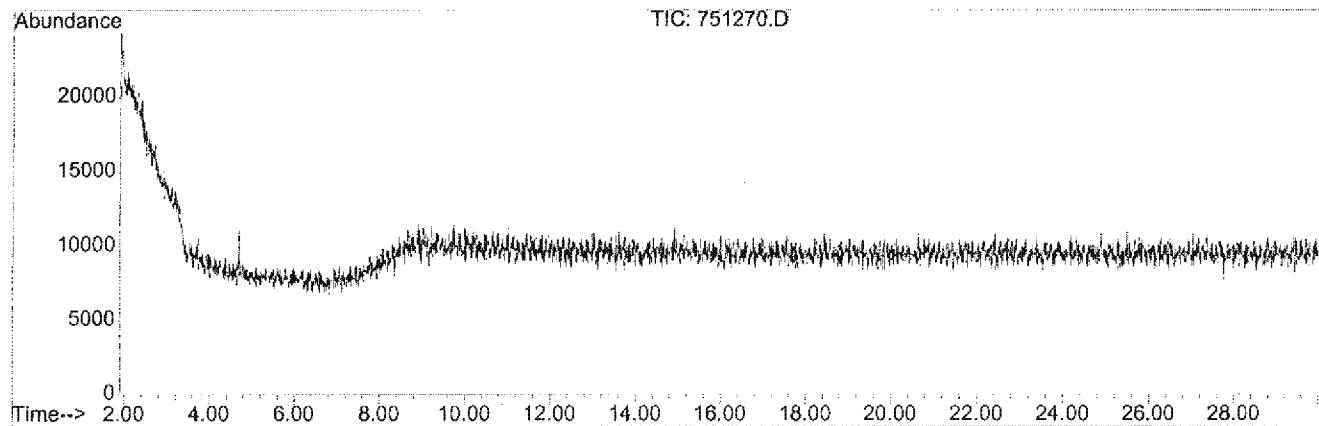
| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-----------------------------|-------------|------|
| 1 | 6.63 | C:\DATABASE\SLI.L HEROIN | 000561-27-3 | 99 |



Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q4-2010\SYSTEM4\10_27_10\751270.D
Operator : ASD
Date Acquired : 28 Oct 2010 00:43
Sample Name : BLANK
Submitted by :
Vial Number : 2
AcquisitionMeth: WSCREEN
Integrator : RTE



| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|
|-----------|------|--------|---------|

NO INTEGRATED PEAKS